



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090195-C

Mode: Highway

Status: Submitted

US-401

From/Cross Street: NC 96

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1103 (Flat Rock Church - Clifton Pond Road)

Project Category: Regional Impact

Length: 5.99

TIP#: R-2814C

Fully Funded in Draft STIP? No

Cost to NCDOT: \$28,358,000

Description:

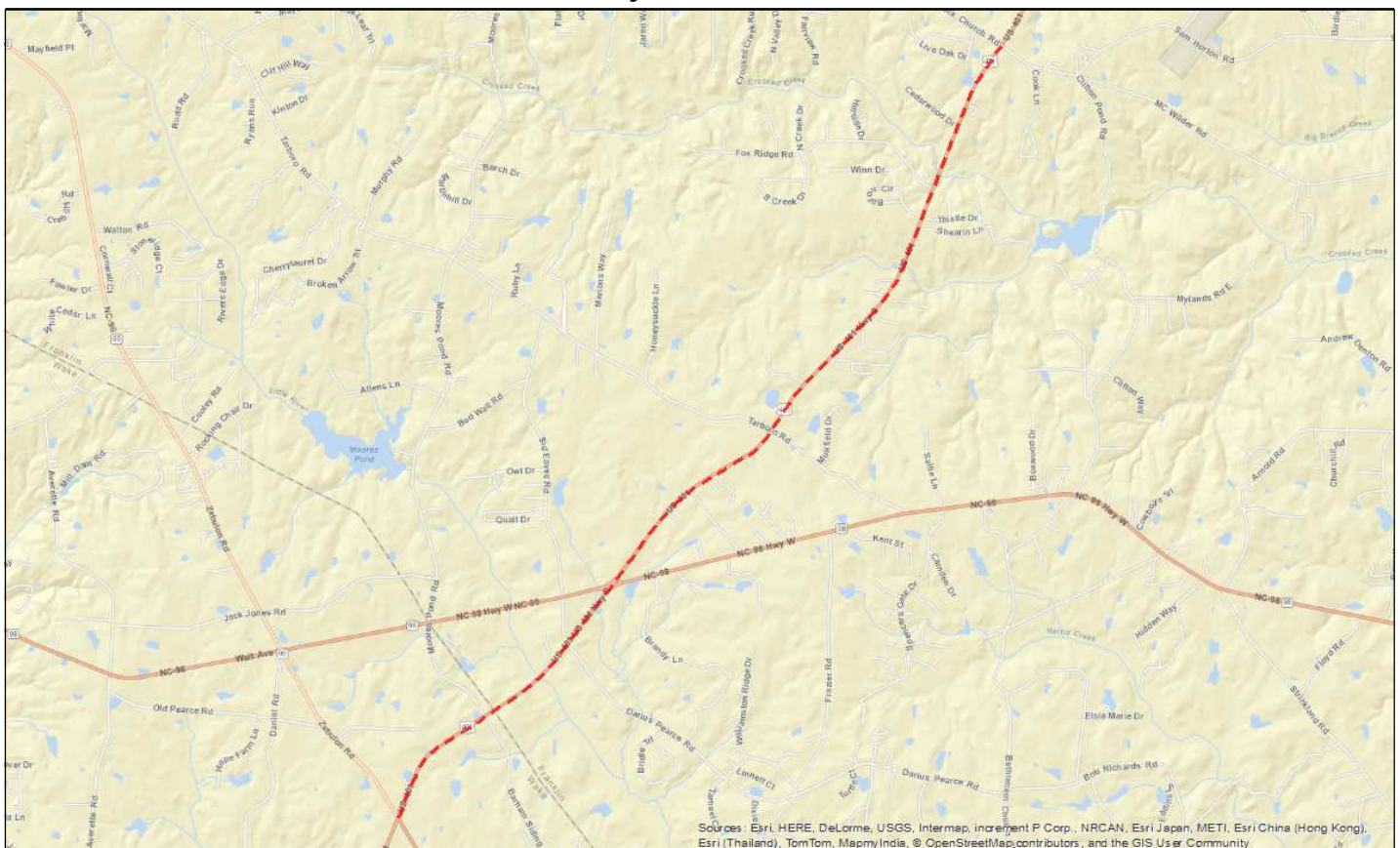
Widen to Multi-Lanes

Division(s): Division 5

County(s): FRANKLIN, WAKE

MPOS(s)/RPO(s): Capital Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 22.54

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 40.31 [Travel Time] Benefit/Cost (25%) 0.70 Safety (10%) 72.89 Accessibility / Connectivity (10%) 50.02	Percent: 15% Points: 0	Percent: 15% Points: 0
Totals: Weight: 70% Weighted Score: 22.54		

Division Needs Total Score: 65.49

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 40.31 Safety (10%) 72.89 [Travel Time] Benefit/Cost (20%) 0.70	Percent: 25% Points: 100	Percent: 25% Points: 100
Totals: Weight: 50% Weighted Score: 15.49		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	5.99
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	9439.05
Capacity:	15500.03
Volume/Capacity Ratio:	0.61
% Autos:	95%
% Trucks:	5%
Truck Volume:	433.61
Crash Density:	88.71
Crash Severity:	60.68
Critical Crash Rate:	69.29
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	34
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	71
Actual Congested Speed:	47.92
Travel Time Index:	1.15

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	5.99
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	882569.45
Travel Time Savings for 30 Years (Autos):	842026.16
Travel Time Savings for 30 Years (Trucks):	40543.29
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 5

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 5	100%	0	100
	0%	0	0
	0%	0	0
TOTAL Division Points		0	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Capital Area MPO	100%	0	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	100

Project Cost and Source

Construction Cost:	\$24,600,000	TIP Unit
Right-of-Way Cost:	\$2,785,000	TIP Unit
Utilities Cost:	\$973,000	TIP Unit
Total Project Cost:	\$28,358,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$28,358,000	